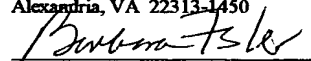


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Barbara Fisher

Date: 8 December 2005

IAP8 RCV JF81/P70 08 DEC 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PCT International Application of:)

CRUZ, Antonio Maria Guimaraes Leite)

Int. Appl No.: PCT/EP2004/051094)

Int. Filing Date: 11 June 2004)

PERCUSSIVE DRILL BIT)

8 December 2005

COMMISSIONER FOR PATENTS

Box PCT: (DO/EO/US)

Alexandria, VA 22313-1450

Dear Sir:

PRELIMINARY AMENDMENT UNDER 37 CFR 1.115

Prior to taking up the case for examination, please amend the application as follows:

Please replace the abstract with the abstract following: